

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Wednesday, March 10, 2010

Ame LeCocq
Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

RE: PCB Tanks / [none]

Enclosed are the results of analyses for work order A10C103, which was received by the laboratory on 3/9/2010 at 1:31:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

DRAFT REPORT, DATA SUBJECT TO CHANGE

Page 1 of 9

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocq

Reported:
03/10/10 10:23

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
8510118-T25-01	A10C103-01	Oil	03/09/10 12:32	03/09/10 13:31
8510118-TR106A-01	A10C103-02	Oil	03/09/10 11:15	03/09/10 13:31
8510118-TR106A-02	A10C103-03	Oil	03/09/10 12:02	03/09/10 13:31
8510118-TR106A-03	A10C103-04	Oil	03/09/10 12:59	03/09/10 13:31

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocq

Reported:
03/10/10 10:23

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
8510118-T25-01 (A10C103-01)			Matrix: Oil		Batch: 1003187			C-07
Aroclor 1016	ND	---	0.867	mg/kg	1	03/09/10 15:29	EPA 8082A	
Aroclor 1221	ND	---	0.867	"	"	"	"	
Aroclor 1232	ND	---	0.867	"	"	"	"	
Aroclor 1242	ND	---	0.867	"	"	"	"	
Aroclor 1248	ND	---	0.867	"	"	"	"	
Aroclor 1254	ND	---	0.867	"	"	"	"	
Aroclor 1260	ND	---	0.867	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 58 %</i>	<i>Limits: 50-125 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>90 %</i>	<i>Limits: 55-130 %</i>	"	"	"	
8510118-TR106A-01 (A10C103-02)			Matrix: Oil		Batch: 1003187			C-07
Aroclor 1016	ND	---	0.785	mg/kg	1	03/09/10 15:44	EPA 8082A	
Aroclor 1221	ND	---	0.785	"	"	"	"	
Aroclor 1232	ND	---	0.785	"	"	"	"	
Aroclor 1242	ND	---	0.785	"	"	"	"	
Aroclor 1248	ND	---	0.785	"	"	"	"	
Aroclor 1254	ND	---	0.785	"	"	"	"	
Aroclor 1260	ND	---	0.785	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 63 %</i>	<i>Limits: 50-125 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>95 %</i>	<i>Limits: 55-130 %</i>	"	"	"	
8510118-TR106A-02 (A10C103-03)			Matrix: Oil		Batch: 1003187			C-07
Aroclor 1016	ND	---	0.682	mg/kg	1	03/09/10 16:13	EPA 8082A	
Aroclor 1221	ND	---	0.682	"	"	"	"	
Aroclor 1232	ND	---	0.682	"	"	"	"	
Aroclor 1242	ND	---	0.682	"	"	"	"	
Aroclor 1248	ND	---	0.682	"	"	"	"	
Aroclor 1254	ND	---	0.682	"	"	"	"	
Aroclor 1260	ND	---	0.682	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 58 %</i>	<i>Limits: 50-125 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>92 %</i>	<i>Limits: 55-130 %</i>	"	"	"	
8510118-TR106A-03 (A10C103-04)			Matrix: Oil		Batch: 1003187			C-07
Aroclor 1016	ND	---	0.701	mg/kg	1	03/09/10 16:28	EPA 8082A	
Aroclor 1221	ND	---	0.701	"	"	"	"	
Aroclor 1232	ND	---	0.701	"	"	"	"	
Aroclor 1242	ND	---	0.701	"	"	"	"	

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocqReported:
03/10/10 10:23

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
8510118-TR106A-03 (A10C103-04)			Matrix: Oil		Batch: 1003187			C-07
Aroclor 1248	ND	---	0.701	mg/kg	1	"	EPA 8082A	
Aroclor 1254	ND	---	0.701	"	"	"	"	
Aroclor 1260	ND	---	0.701	"	"	"	"	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 58 %</i>	<i>Limits: 50-125 %</i>	"	"	"	
<i>Decachlorobiphenyl (Surr)</i>			<i>94 %</i>	<i>Limits: 55-130 %</i>	"	"	"	

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocqReported:
03/10/10 10:23

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1003187 - EPA 3580A						Oil						
Blank (1003187-BLK1)				Prepared: 03/09/10 14:08				Analyzed: 03/09/10 15:00				C-07
EPA 8082A												
Aroclor 1016	ND	---	0.857	mg/kg	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	0.857	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	0.857	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	0.857	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	0.857	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	0.857	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	0.857	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 72 %		Limits: 50-125 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		105 %		55-130 %		"						
LCS (1003187-BS1)				Prepared: 03/09/10 14:08				Analyzed: 03/09/10 15:15				C-07
EPA 8082A												
Aroclor 1016	11.4	---	0.968	mg/kg	1	16.1	---	71	40-140%	---	---	
Aroclor 1260	16.4	---	0.968	"	"	"	---	101	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 74 %		Limits: 50-125 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		111 %		55-130 %		"						
Duplicate (1003187-DUP1)				Prepared: 03/09/10 14:08				Analyzed: 03/09/10 15:59				C-07
QC Source Sample: 8510118-TR106A-01 (A10C103-02)												
EPA 8082A												
Aroclor 1016	ND	---	0.993	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Aroclor 1248	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Aroclor 1254	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Aroclor 1260	ND	---	0.993	"	"	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 70 %		Limits: 50-125 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		102 %		55-130 %		"						
Matrix Spike (1003187-MS1)				Prepared: 03/09/10 14:08				Analyzed: 03/09/10 16:43				C-07
QC Source Sample: 8510118-TR106A-03 (A10C103-04)												
EPA 8082A												
Aroclor 1016	11.4	---	1.10	mg/kg	1	18.4	ND	62	40-140%	---	---	

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocqReported:
03/10/10 10:23

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1003187 - EPA 3580A							Oil					
Matrix Spike (1003187-MS1)					Prepared: 03/09/10 14:08		Analyzed: 03/09/10 16:43				C-07	
QC Source Sample: 8510118-TR106A-03 (A10C103-04)												
Aroclor 1260	16.1	---	1.10	mg/kg	"	"	ND	88	60-130%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			Recovery: 68 %		Limits: 50-125 %		Dilution: 1x					
Decachlorobiphenyl (Surr)			91 %		55-130 %		"					

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

Project: PCB Tanks
Project Number: [none]
Project Manager: Ame LeCocq

Reported:
03/10/10 10:23

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3580A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1003187							
A10C103-01	Oil	EPA 8082A	03/09/10 12:32	03/09/10 14:08	0.173g/5mL	0.15g/5mL	0.87
A10C103-02	Oil	EPA 8082A	03/09/10 11:15	03/09/10 14:08	0.191g/5mL	0.15g/5mL	0.79
A10C103-03	Oil	EPA 8082A	03/09/10 12:02	03/09/10 14:08	0.22g/5mL	0.15g/5mL	0.68
A10C103-04	Oil	EPA 8082A	03/09/10 12:59	03/09/10 14:08	0.214g/5mL	0.15g/5mL	0.70

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

Project: **PCB Tanks**
Project Number: [none]
Project Manager: Ame LeCocq

Reported:
03/10/10 10:23

Notes and Definitions

Qualifiers:

C-07 Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.

Notes and Conventions:

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.

RPD Relative Percent Difference

MDL If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.

Batch QC Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Blank Policy Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.

For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor.

Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Oil Re-Refining Co.
4150 N. Suttle Rd.
Portland, OR 97217

Project: **PCB Tanks**

Project Number: [none]
Project Manager: Ame LeCocq

Reported:
03/10/10 10:23

[illegible]

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory